

FIG. 1

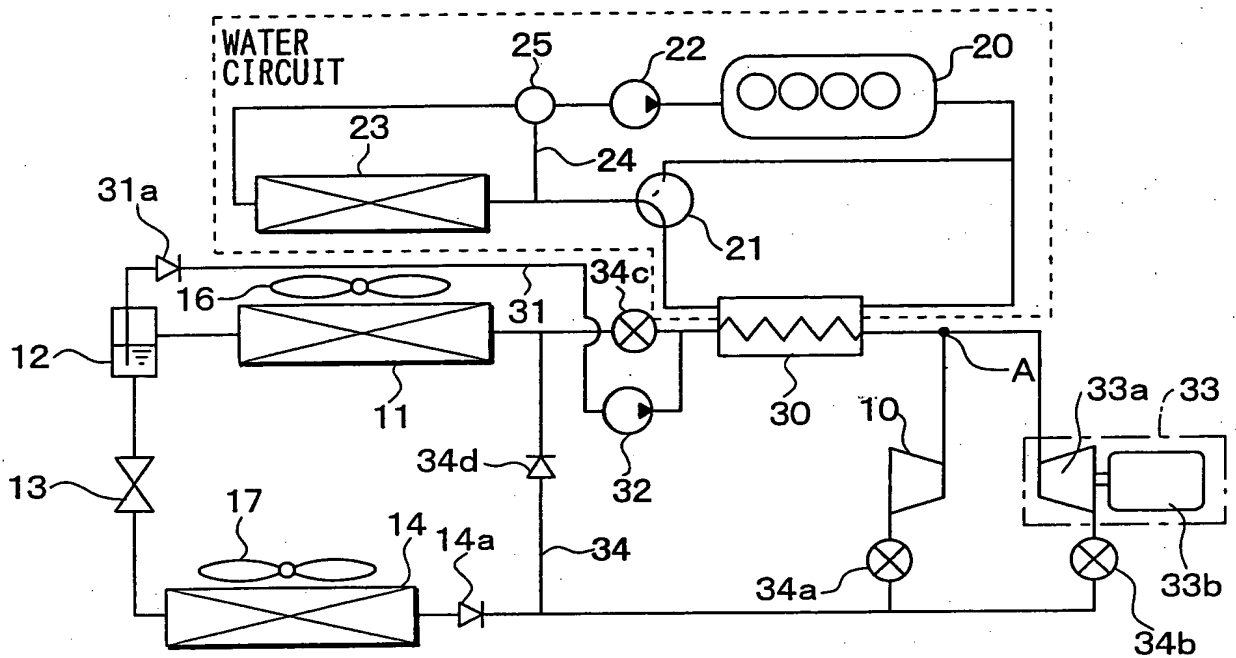
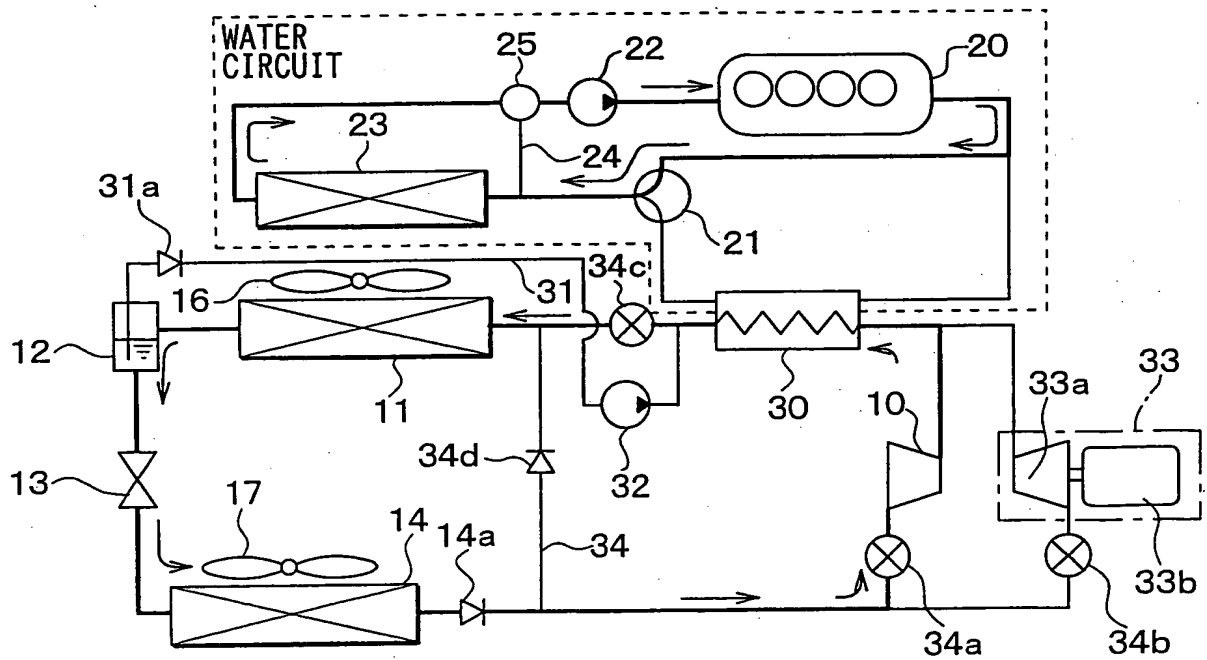


FIG. 2



[illegible][illegible]

FIG. 5

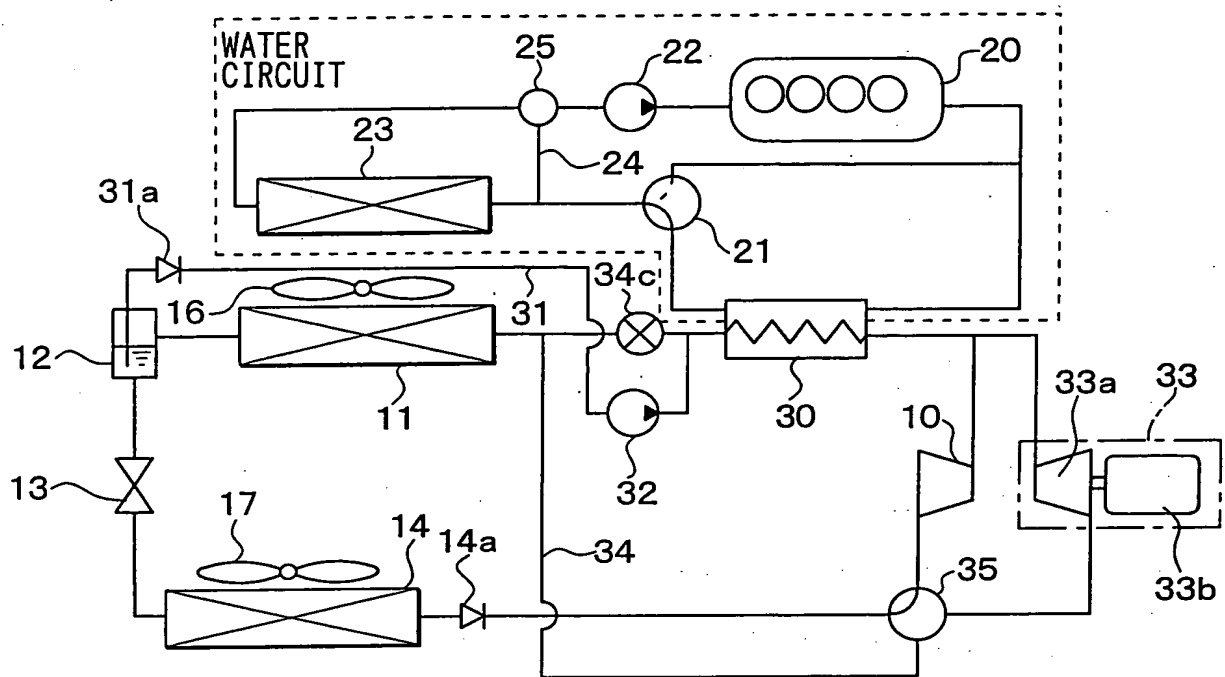


FIG. 6

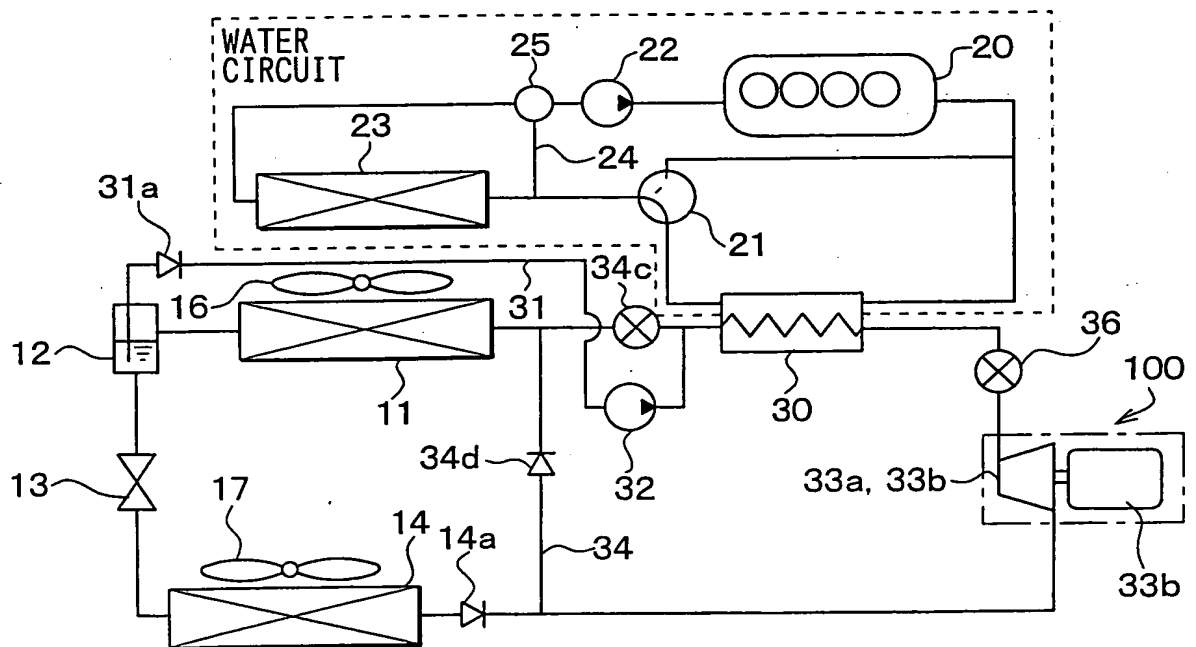


FIG. 7A

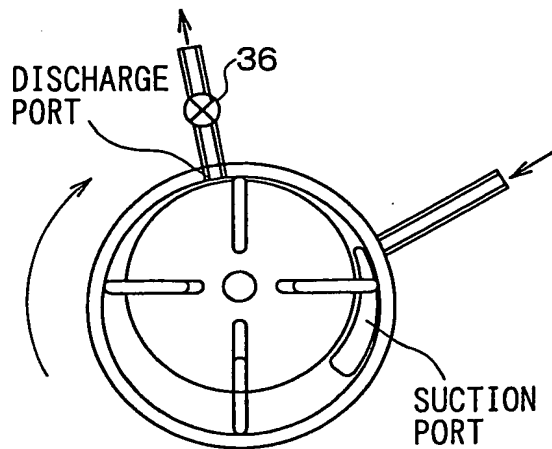


FIG. 7B

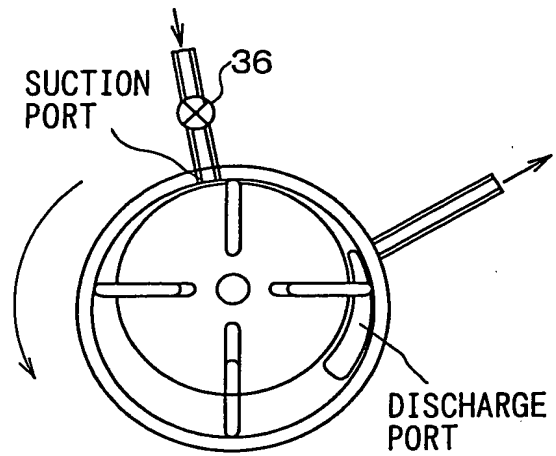
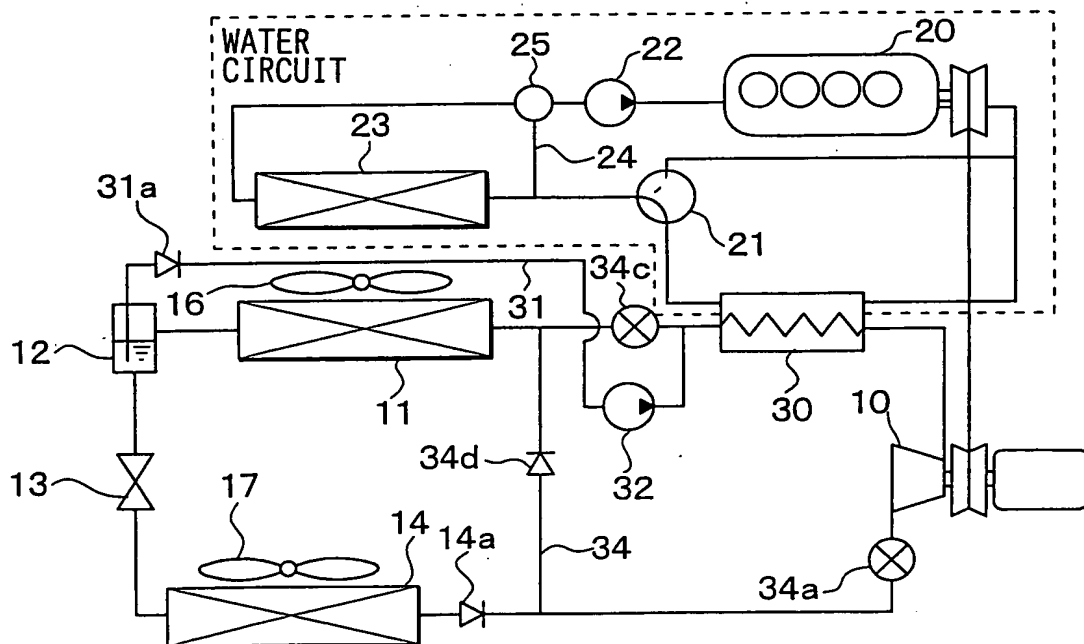


FIG. 8



The diagram illustrates a water circulation system for a semiconductor device. A dashed box labeled "WATER CIRCUIT" encloses a loop containing a pump (22), a heat exchanger (20), a sensor (21), and a valve (24). This circuit is connected to a larger system. A main supply line (12) passes through a valve (13) and a pump (16) to a heat exchanger (11). From heat exchanger 11, the flow splits: one path goes through a valve (34) and a pump (32) to a heat exchanger (17), which then connects to a valve (14) and a pump (10). The other path from heat exchanger 11 goes through a valve (34d) and a pump (31a) to a heat exchanger (30). A sensor (37) is located on the line between heat exchangers 11 and 30. A valve (38) is on the line between heat exchangers 30 and 10. The system also includes a sensor (34c) on the line between heat exchangers 11 and 30, and a sensor (34a) on the line between heat exchangers 17 and 10. A valve (33) is located on the line between heat exchangers 10 and 17, with sub-components 33a and 33b. A sensor (34b) is on the line between heat exchangers 10 and 17. A valve (34) is on the line between heat exchangers 11 and 17.

[illegible]

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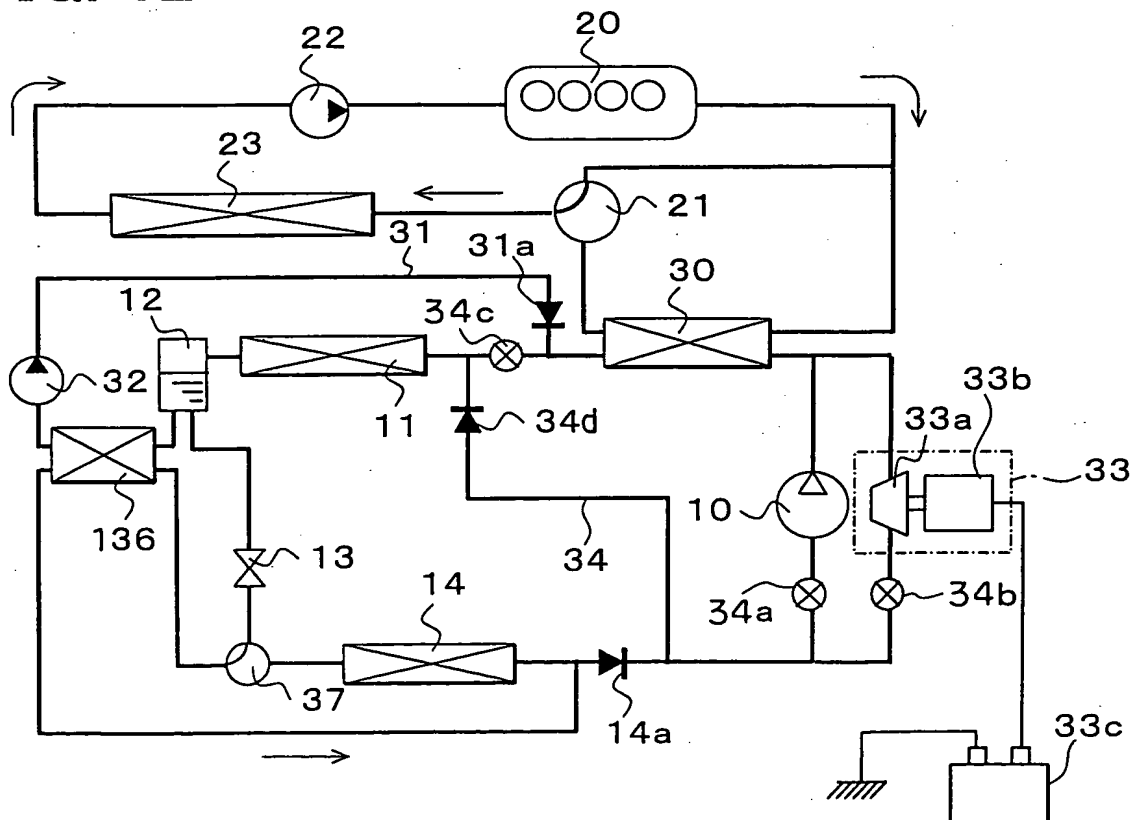


FIG. 13

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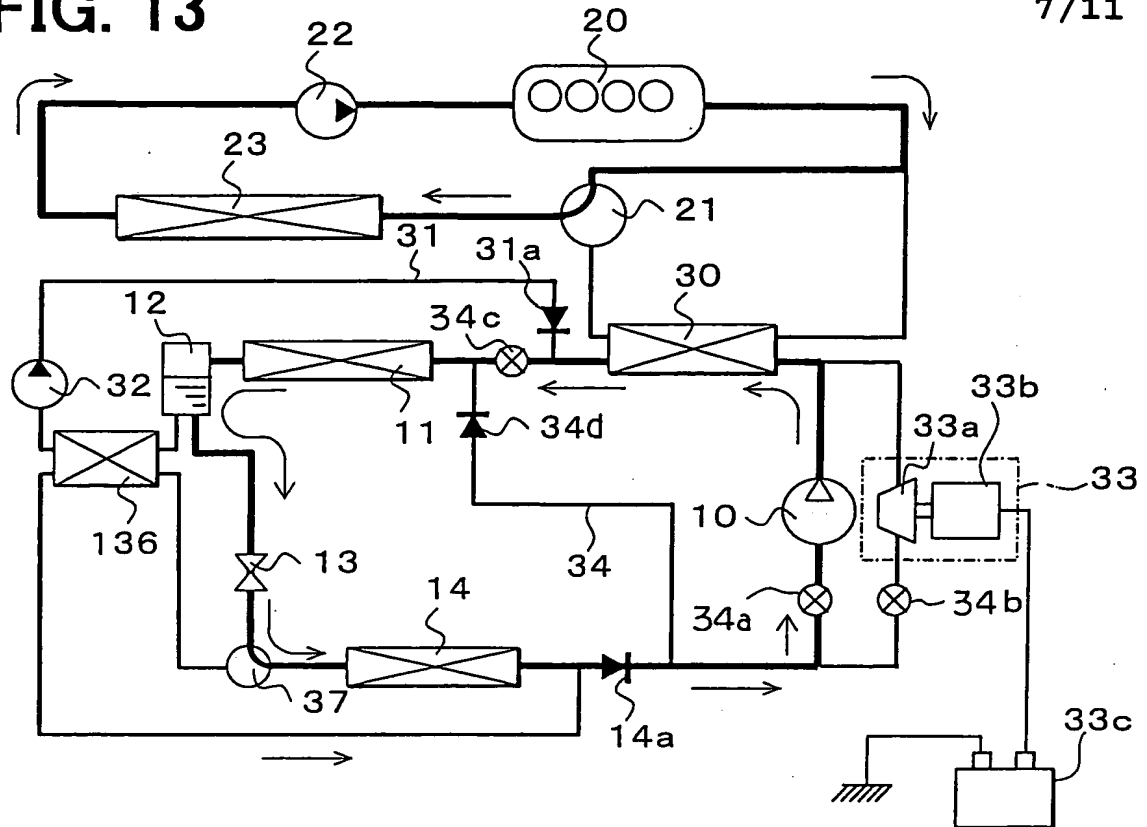


FIG. 14

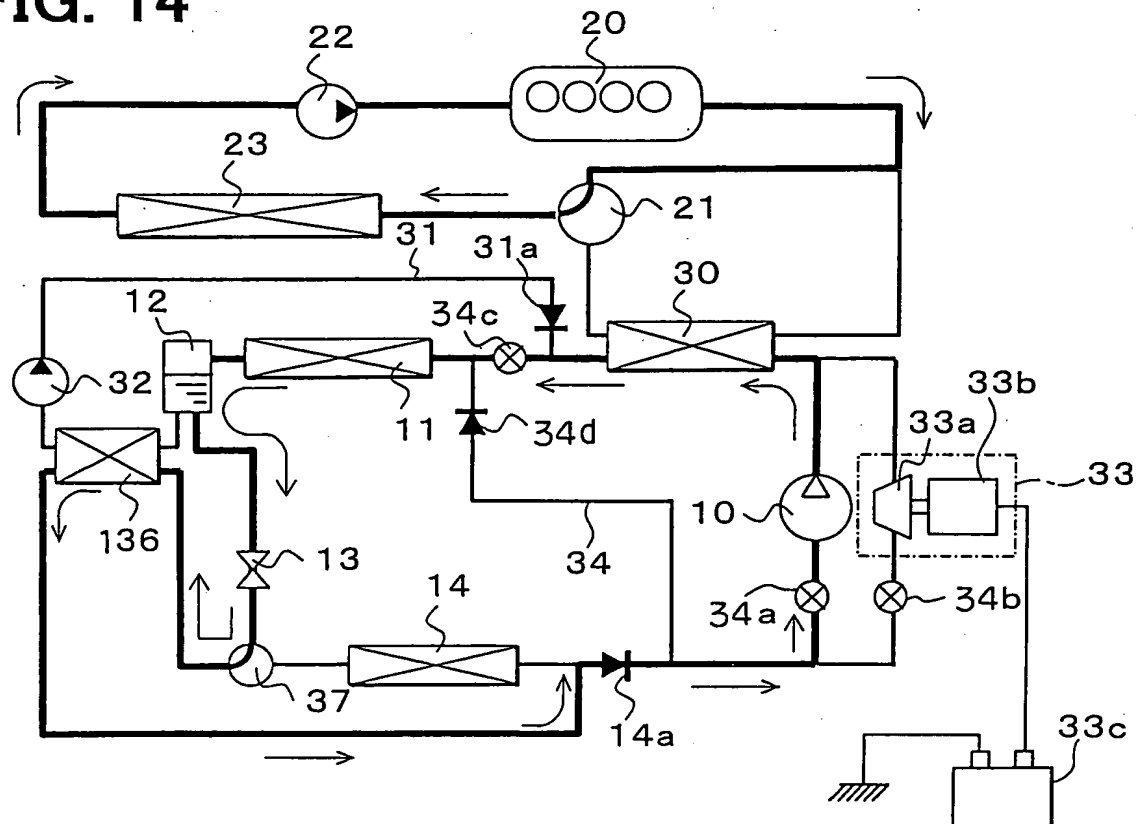


FIG. 15

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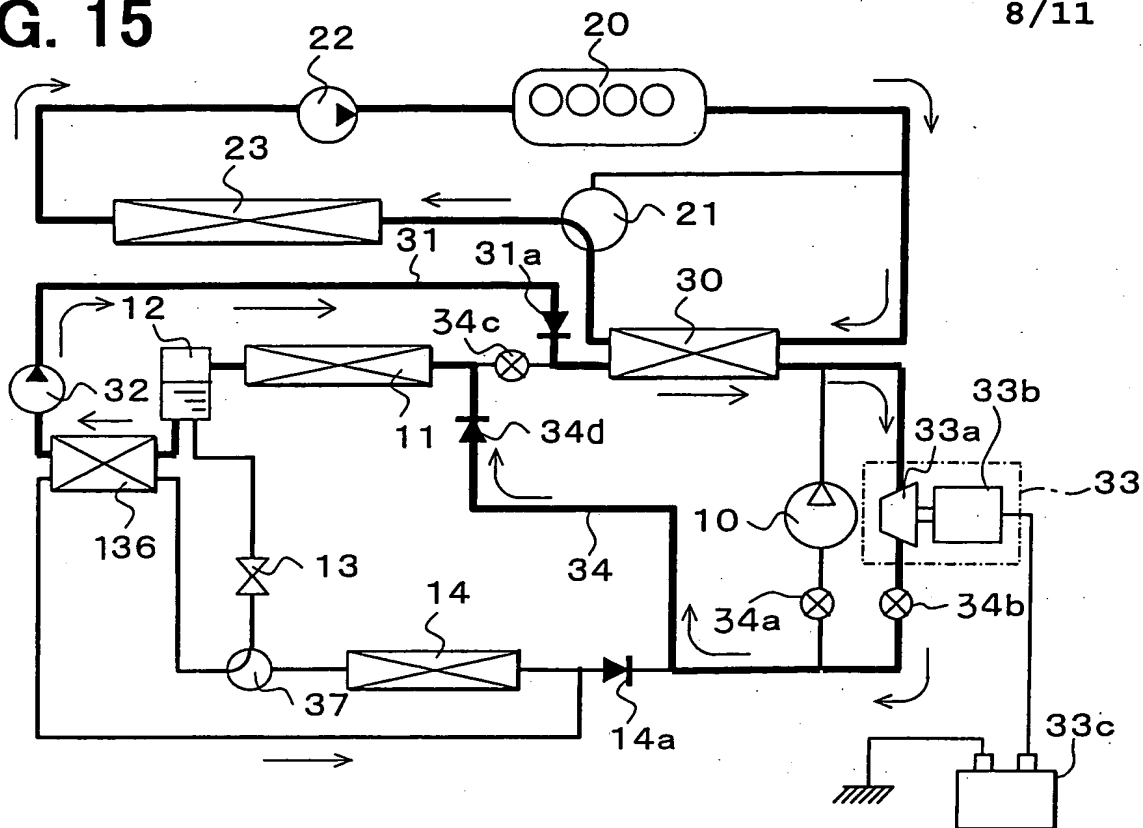


FIG. 16

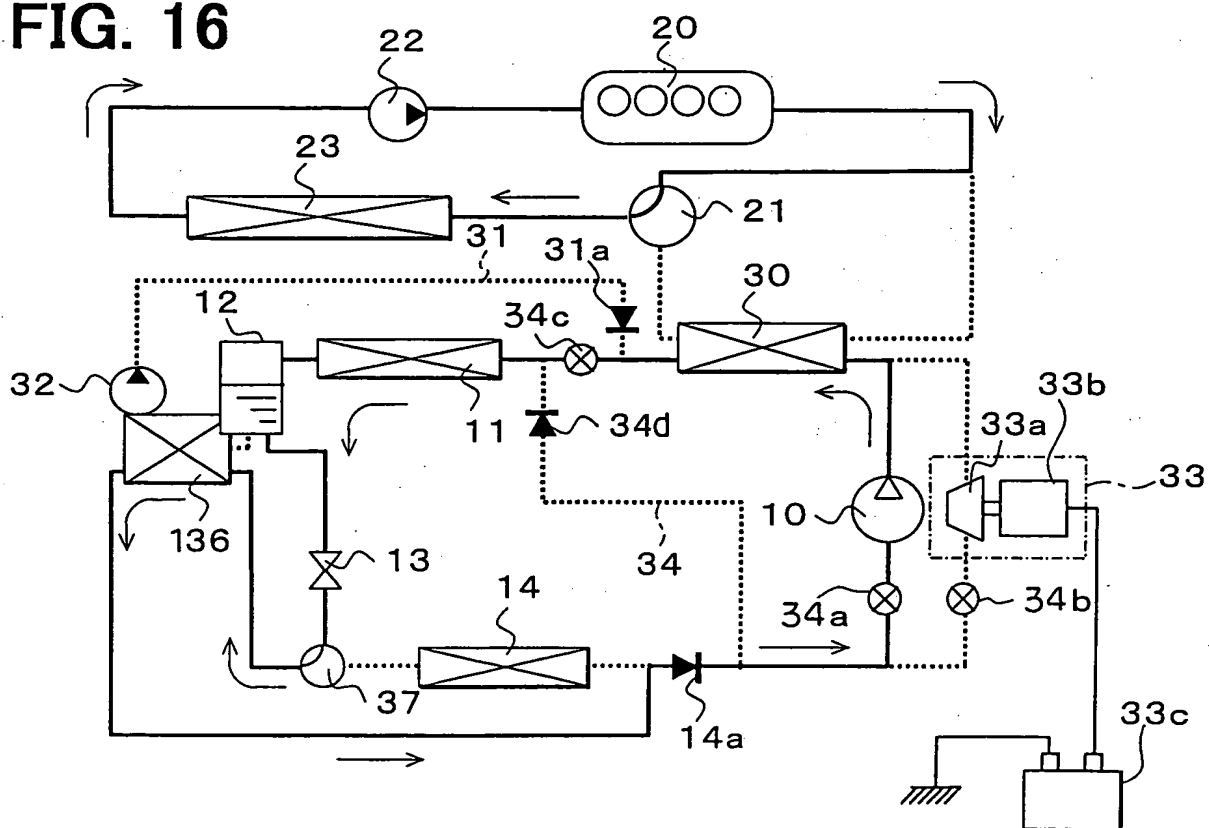


FIG. 17

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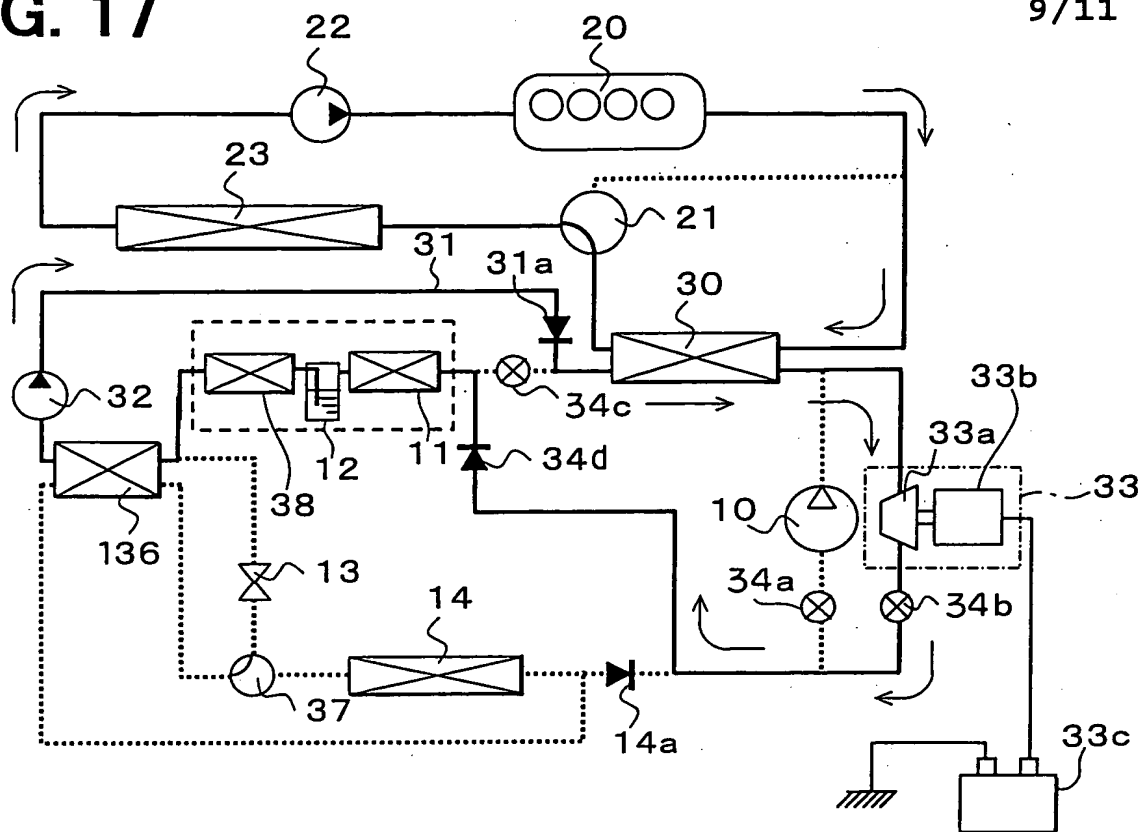


FIG. 18

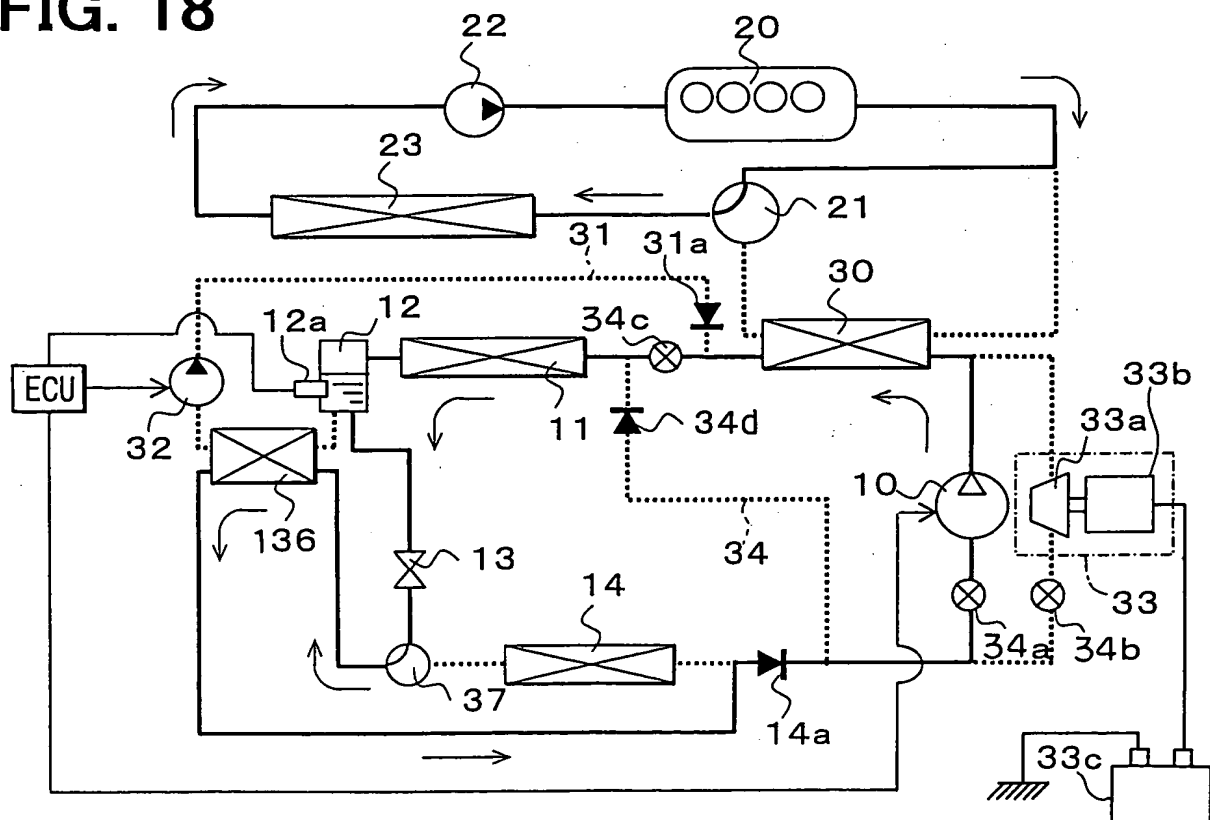


FIG. 19

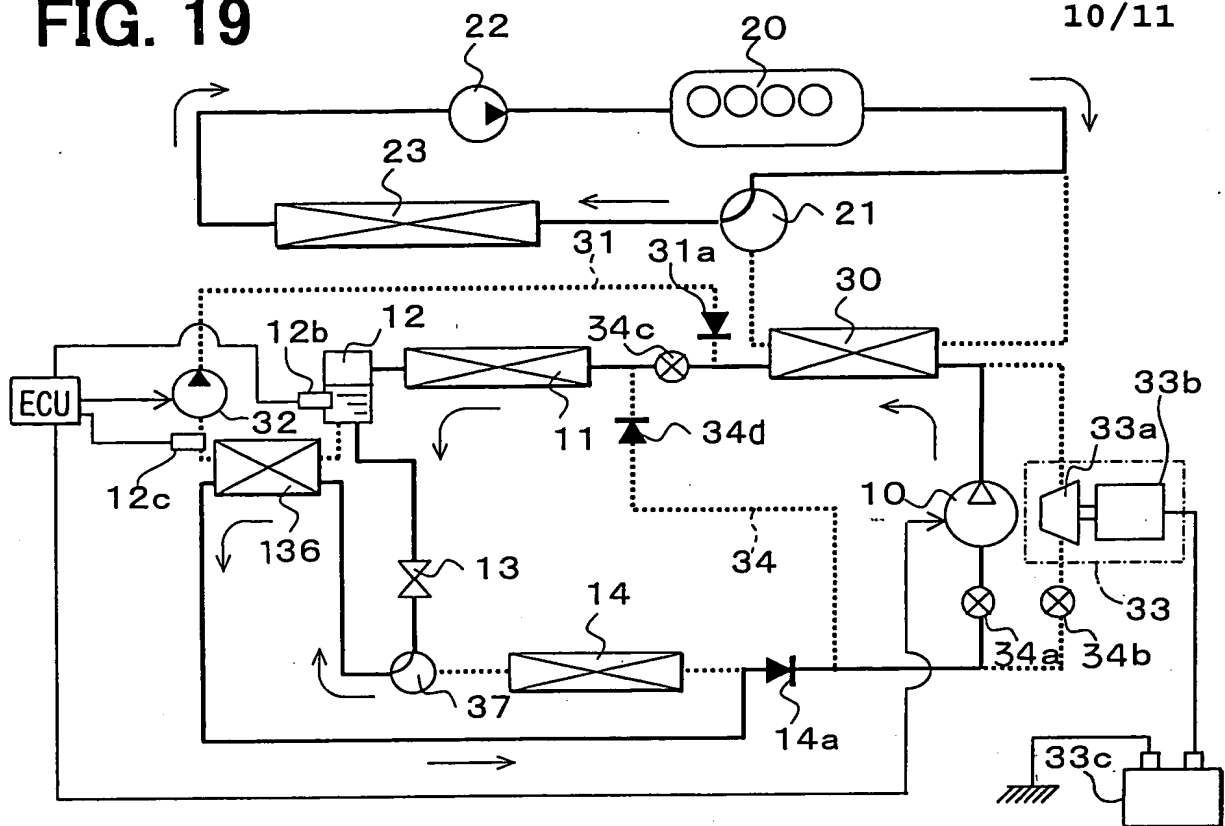


FIG. 20

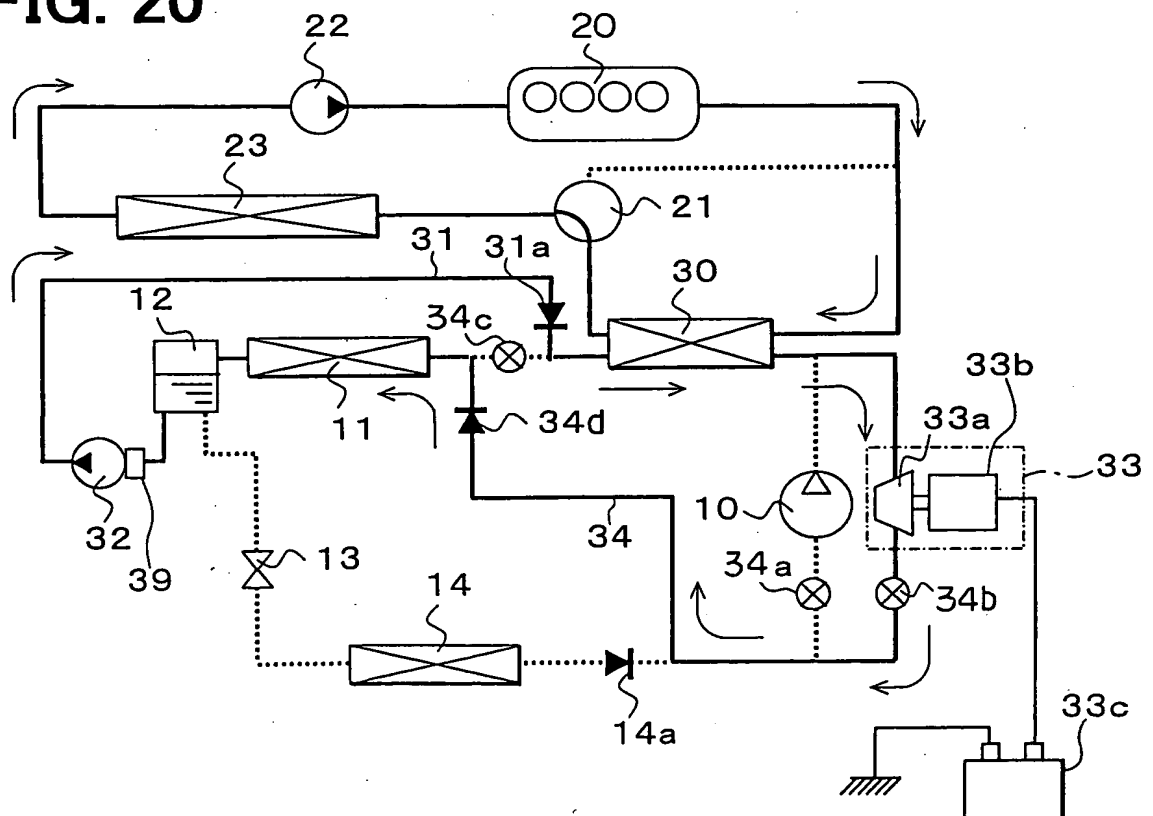


FIG. 21

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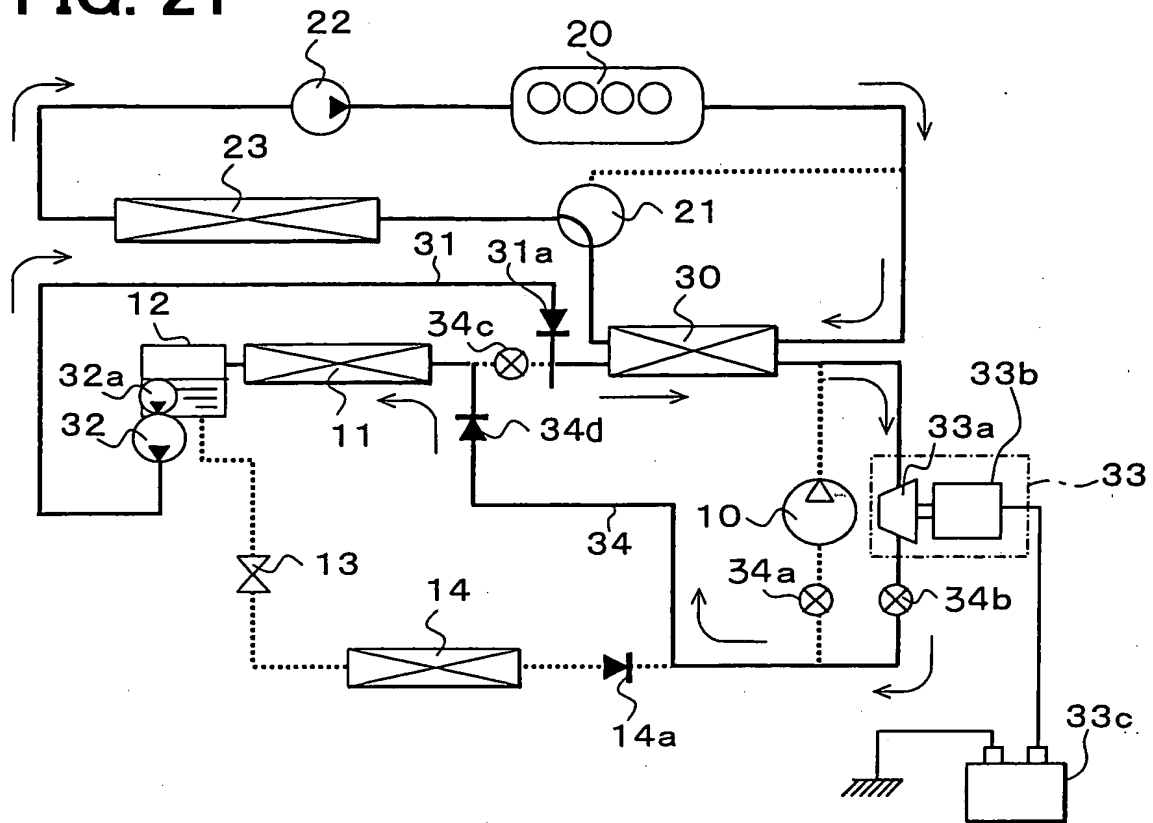


FIG. 22

